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<p>(21) International Application Number: PCT/GB99/02652</p> <p>(22) International Filing Date: 12 August 1999 (12.08.99)</p> <p>(30) Priority Data: 9817707.4 13 August 1998 (13.08.98) GB</p> <p>(71) Applicant (for all designated States except US): ZENECA LIMITED [GB/GB]; 15 Stanhope Gate, London W1Y 6LN (GB).</p> <p>(71) Applicant (for US only): STEWART, Lesley (Personal representative of STEWART, Gordon, Sidney, Anderson, Bernie) [/GB]; 14 James Avenue, Loughborough LE11 5QL (GB).</p> <p>(72) Inventor: STEWART, Gordon, Sidney, Anderson, Bernie (deceased) (deceased).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): FRAY, Rupert, George [GB/GB]; University of Nottingham, School of Biological Sciences, Division of Plant Science, Sutton Bonington Campus, Loughborough LE12 5RD (GB). THROUP, John, Peter [GB/US]; SmithKline Beecham, Pharmaceuticals R & D, UP1345 South Collegeville Road, P.O. Box 5089, Collegeville, PA 19426 (US). WALLACE, Andrew, David</p>		<p>[GB/GB]; Unilever Research, Colworth Laboratory, Colworth House, Sharnbrook, Bedfordshire MK44 1LQ (GB). GRIERSON, Donald [GB/GB]; University of Nottingham, School of Biological Sciences, Division of Plant Science, Sutton Bonington Campus, Loughborough LE12 5RD (GB).</p> <p>(74) Agents: HUSKISSON, Frank, Mackie et al.; Zeneca Agrochemicals, Intellectual Property Dept., Jealott's Hill Research Station, P.O. Box 3538, Bracknell, Berkshire RG42 6YA (GB).</p> <p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report.</p>
<p>(54) Title: EXPRESSION OF BACTERIAL SIGNAL MOLECULES IN PLANTS</p> <p>(57) Abstract</p> <p>The ability of a plant to defend against attack by bacteria, and any virus borne by the bacteria, is enhanced by transforming the plant genome with a gene of bacterial origin which enables the plant to produce a bacterial pheromone, N-acyl-L-homoserine lactone. Such plants also secrete the lactone into the soil enhancing the protective effect of antifungal rhizobacteria.</p>		
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